

FINAL REPORT

CERTIFICATE No.: 24478



Boral Cement Limited
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TEST CERTIFICATE OF: Tarong Daily Despatch Grade 1 Fly Ash
PRODUCED AT: Boral Cement Limited Tarong
TESTED AT: Berrima Works Laboratory
SAMPLE IDENTIFICATION: TDDFA2300171
DATE DESPATCHED: 13/01/2023

PROPERTY	REQUIREMENTS OF AS 3582.1 - Grade 1	RESULT
Fineness (AS 3583.3)	≥ 75 %	89 %
LOI (AS 3583.3)	≤ 4.0 %	2.2 %
Moisture (AS 3583.2)	≤ 0.5 %	0.1 %
SO ₃ (AS 2350.2)	≤ 3.0 %	0.1 %
SiO ₂ (AS 2350.2)		71.0 %
Al ₂ O ₃ (AS 2350.2)		23.5 %
Fe ₂ O ₃ (AS 2350.2)		0.9 %
Chemical Composition (AS 2350.2)	≥ 70 %	95 %
Total Alkali (AS 2350.2)		0.4 %
Cl (AS 2350.2)	≤ 0.1 %	< 0.01 %

REMARKS

Sampling not carried out by laboratory. Samples tested as received.



Accredited for compliance with ISO/IEC 17025 - Testing

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Technical Services Manager

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boral.com.au**TEST REPORT – FLYASH****CLIENT:** BORAL CEMENT – (TECHNICAL)**FILE NO:** 50/23**ADDRESS:** 39 Delhi Road, North Ryde, NSW 2113**REQUEST NO:** 103831**SAMPLE IDENTIFICATION:** TDDFA2300171 – Silo A**LAB SAMPLE NO:** 278572**SOURCE OF SAMPLE:** Boral Cement - Berrima**DATE SAMPLED:** 13/01/2023**DATE RECEIVED:** 25/01/2023**IDENTIFICATION OF CEMENT USED:** Boral Cement SL Berrima Ref. 2019**TEST METHOD:** AS 3583: Methods of test for supplementary cementitious materials for use with Portland cement

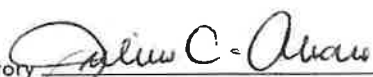
PROPERTY	DATE TESTED	RESULT	TEST METHOD
Relative density	08/02/2023	2.13	AS 3583.5
Relative water requirement	14/02/2023	100%	AS 3583.6
Relative strength 7 days (accelerated)	21/02/2023	97%	AS 3583.6

Note:

- Sample supplied by the client and tested as received.

Marc Smith, Parisa Sowti, Violeta Paicu, Stephanie Koehler, Mat. File, File

Approved Signatory



Julius Alvaro

Date

24/02/2023

Serial No.

CEM103831.JA.2

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Test results in this Test Report relate only to the samples tested.



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